

## ABSTRACT:

The invention relates to a parametric encoder for encoding an audio or speech signal into sinusoidal code data. Such parametric encoders typically comprise a segmentation unit 120 for segmenting said signal  $s$  into at least one single scale segment  $x_m(n)$  with  $m = 1 \dots M$  and for outputting the samples  $x_m(0), \dots, x_m(L-1)$  of said segment  $x_m(n)$  and comprise a sinusoidal estimation unit 140 for estimating the sinusoidal code data representing said segment  $x_m(n)$  from said samples. It is the object of the invention to improve a parametric encoder and method such that the achievement of a required time-frequency resolution trade-off is facilitated. This is achieved by embodying the segmentation unit 120 such that it carries out a frequency-warping operation in order to transform the output samples  $x_m(0), \dots, x_m(L-1)$  onto a frequency-warp domain and by providing a post-processing filter 160 for re-mapping the sinusoidal code data output by the sinusoidal estimation unit 140 to the original frequency domain of the signal  $s$ .

Fig. 1